GRUMMAN
plane news
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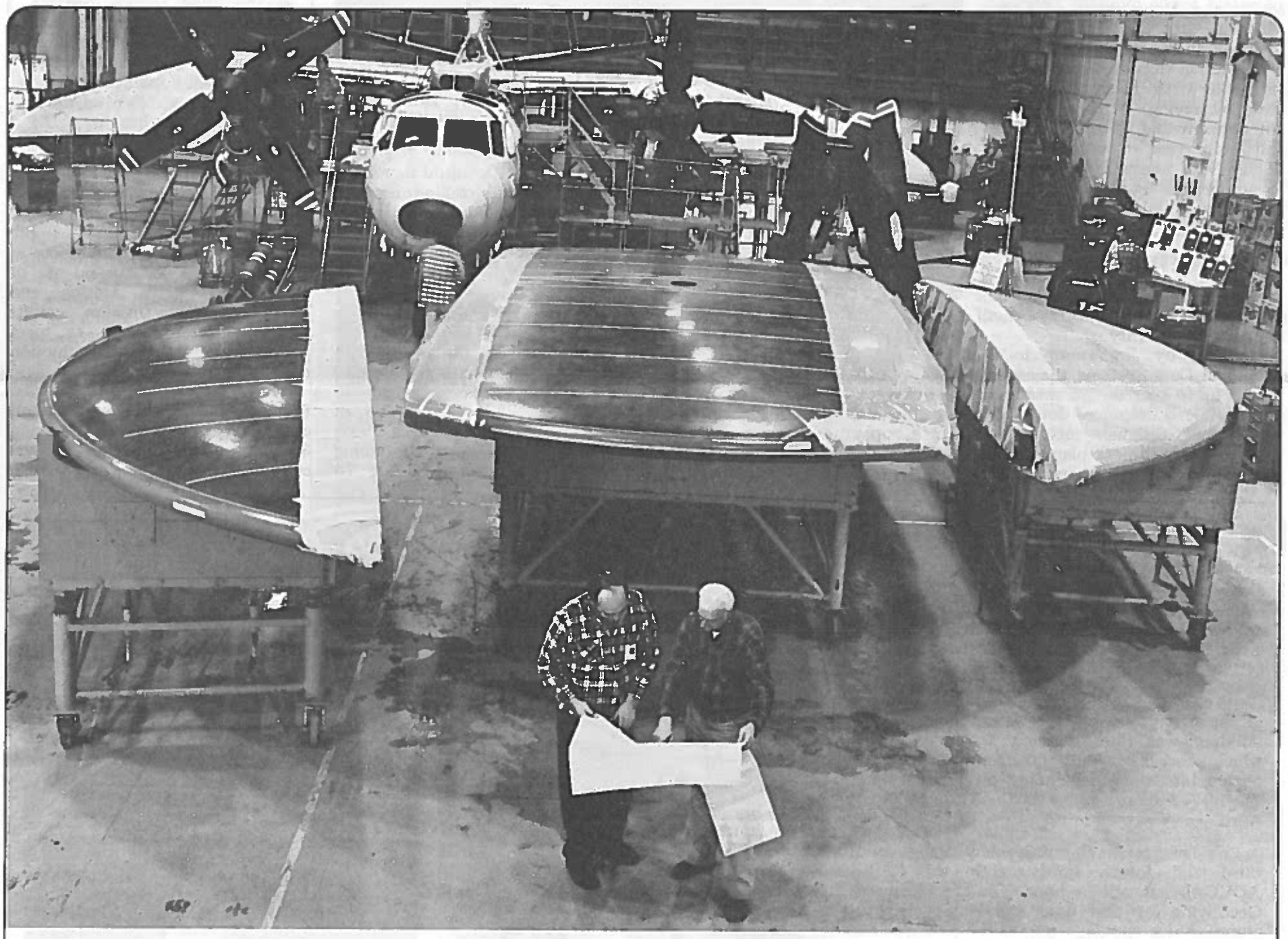


E-2C rotodome: it's what's inside that counts

It may not look like it, but the E-2C rotodome recently underwent significant modifications to its antenna elements.

These updates will give the Hawkeye flight crews a far greater tactical advantage in their missions and greatly enhance the entire early airborne early warning system's effectiveness.

Part of the E-2C's ongoing update development program, the improved rotodome offers more efficient radar capability with significantly reduced susceptibility to jamming. (Photo by Bob Settles; taken in Plant 4 hangar.)

news briefs

Lawsuit dismissed

On February 27, Grumman Corporation received preliminary notification that the Department of Labor's complaint against the Pension Plan trustees has been dismissed.

Grumman was advised that the complaint was dismissed both as to the question of damages and the requested injunction against the trustees. A detailed opinion by 'U.S. District Court Judge Jacob Mishler has not been received as yet.

It is not known what course of action the Department of Labor will take, but they have the right to appeal the decision.

Grumman Corporation Chairman Jack Bierwirth responded to the news by saying, "This will relieve any concern that Grumman retirees and employees — especially the 18,000 who intervened in the case to support the trustees — may have felt about the status of their pension fund."

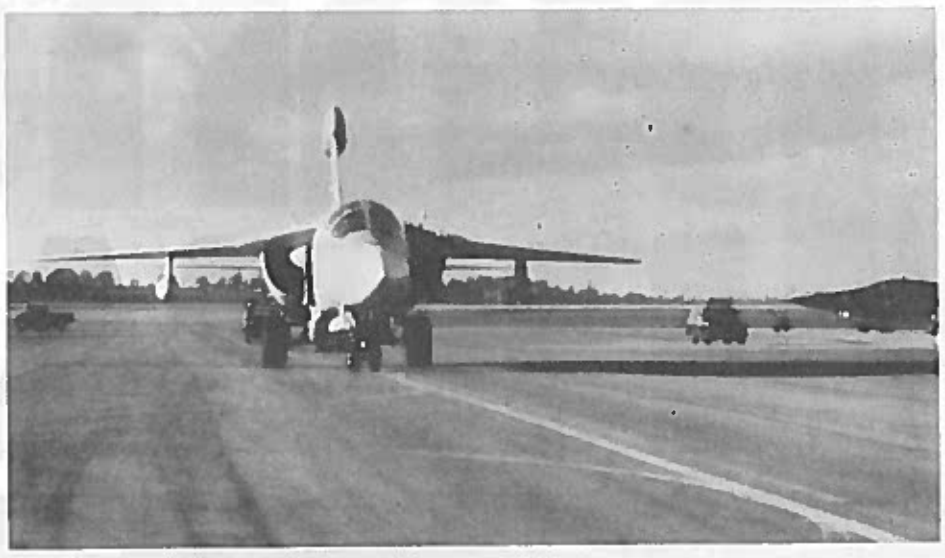
Computing center

Grumman Corporation's Personal Computing Center officially opened in Plant 105 recently.

Managed by Jim DeAngelo of Grumman Data Systems, the center was set up to keep the purchase and use of microcomputers consistent within all Grumman subsidiaries.

If your department plans to add microcomputers, go there. You'll learn about the systems, the software available, and the features of different machines. Plus, you can get a hands-on demo.

For more information, call the center's hotline, Ext. 8100.



Jolly ole England. *NATO's first EF-111A Raven arrived at RAF Upper Heyford, England, on February 3. Modified by Grumman Aerospace, this EF-111A will provide electronic countermeasures support for tactical air forces in Europe. (U.S. Air Force photo)*

Trainer care pact

Grumman Aerospace has just been awarded a contract to operate and maintain an assortment of EA-6B operation trainers at NAS Whidbey Island, Washington.

The Training Systems Program contract includes taking care of tactical trainers and weapon system trainers. The contract is for five years with renewable options every year.

Boom for Pearson

If numbers tell the story, 1984 should be an exciting year for Pearson Yachts sales.

Calendar 1983 sales are up an impressive 25 percent over 1982.

For the model year (beginning August 1), Pearson sales are 73 percent ahead of the previous model year as of November 1983.

In releasing the numbers, Bill Shaw, chief naval architect at Pearson and vice president of Grumman Allied's Marine and Energy Systems Division, credits Pearson's determination to meet the challenge with the introduction of four new boats in 1983.

They are the highly popular Pearson 34, the center-cockpit cruiser Pearson 385, the Pearson 386 aft-cockpit cruiser, and the center-cockpit cruiser Pearson 422.

Vols, take note

Volunteers are needed to help out in their spare time at the 1984 International Games for the Disabled. The Games take place this June in Nassau County.

Like all volunteer service, helping out at the Games should be on a person's own free time.

To find out more about how you can be a volunteer at the 1984 Games, contact Rhoda White, director of Volunteers, International Games for the Disabled, Eisenhower Park-Special Populations Unit, East Meadow, N.Y. 11554. Telephone number is (516) 542-4493.

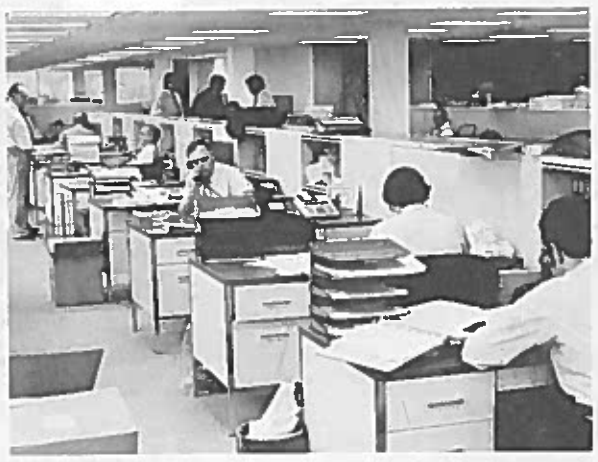
A new plant is born

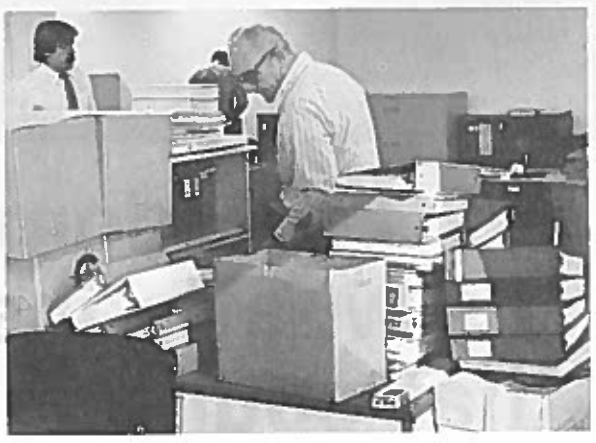
By early April, the entire EA-6B Program team will occupy its new quarters at 265 Broadhollow Road (Route 110) in Melville. Dubbed Plant 110, the new building is located just north of the Long Island Expressway and a mile north of Plant 40 — the old home of the Prowler.

The first group to move into the brand new building was the program's ILS department, which consists of about 300 Grummanites. They settled into their new home on February 21. The rest of the program's staff will move in early April.

Prowler personnel will occupy the second, third and fourth floors, while the EA-6B ADVCAP lab will be housed in the basement. Occupying the first floor will be Special Programs, which encompasses the S-2 Modification Program, HU-16 Modification Program, Out-of-Production Spares (OOPS), and the F-111 Stabilizer Remanufacturing Program.

An important note: The Grummanites in the new Plant 110 are *not* on Grumman's Centrex telephone system. To reach out and touch someone there, you must dial an outside line. The staff in Plant 110 will all have numbers beginning with the prefix "391." If you can't reach someone, call the chief operator, Ext. 3369.





Repair program humming in Plant 66

Lead times to fill orders for new airplane parts as replacements for corroded or damaged units, both for military and commercial aircraft, can be as much as three years or more. In addition to the time, costs for replacement parts are often prohibitively high.

Therefore it is no wonder that the concept of selectively repairing and reclaiming damaged or worn parts is becoming increasingly attractive as a cost-effective alternative to ordering new production work. Such an alternative is currently being offered at Grumman's Milledgeville Operations, (Ga.).

The Milledgeville facility is devoted primarily to the production of "composite" or non-metallic parts for aircraft using such materials as boron, graphite and Kevlar. The plant makes some 2,000 non-metallic and bonded parts for each Grumman F-14 Tomcat alone, including radomes, horizontal stabilizers, and other bonded assemblies. In addition, a total of over 600,000 parts are made annually for other military and commercial contracts.

It was a U.S. Navy request concerning the feasibility of repairing several damaged and corroded F-14 stabilizers it had in storage that got Milledgeville started in the repair business.

According to Tony King, F-14 project coordinator in Milledgeville, "The Navy came to us in the first place because they had some stabilizers that needed a variety of repairs in order to be made operational again. With the cost of new replacement parts and the long replacement lead times, scrapping these units can be very expensive.

"Four stabilizers were brought in to Grumman, two of which we classified as needing only minor repairs, which were subsequently taken care of at Bethpage. The other two stabilizers, however, posed a different and more difficult problem. Because of a combination of damage and corrosion, the pieces would need to be virtually stripped to their bones and completely rebuilt. The objective, of course, was to salvage those parts with long lead times — the hubs, intercostals, and bearing houses. We took the challenge; in fact, we jumped at it. And we proposed a turnaround time of five-and-a-half to six months to complete the job."

King says the major technical challenge of the stabilizer reclamation job was the need for precise coordination of the repair work with the salvageable original parts. "The first thing we did was set up the complete coordination of the program from engineering to the shop floor. We needed a total team effort all around, and we got it.

Accurate tool shop

"The next step was to remove all the original boron skins from the stabilizers, leaving only the reclaimed titanium splice plates to frame out the new boron-epoxy skins on. Meanwhile, the hub assemblies were cleaned of all corrosion and retooled to specs.

"We then rebuilt the actual body of the stabilizer with its core and all, contour cutting the piece exactly as you do a production unit," he says. "Finally, with our hearts a bit in our mouths, we dropped the replacement skins in place. On the first four units that we built, the skins fit perfectly — proving out our coordination effort and the accuracy of our tool shop," he notes.

Follow-up orders

The Milledgeville plant is currently working on refurbishing four F-14 stabilizers with actual contracts for a follow-up of five more. Also, King says, there has been some planning for further orders of seven stabilizer repairs in the future. The Navy, he says, is very pleased with the repair program thus far. "The savings in time and money for the customer, in this case the Navy, is quite significant.

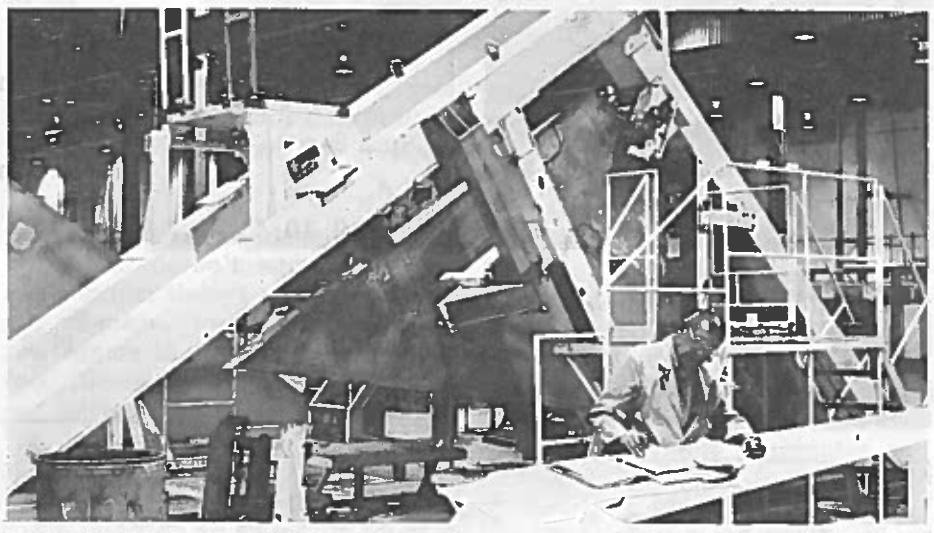
"The stabilizers that we are repairing now had been sitting in storage and would eventually have been written off as scrap at considerable expense were it not for this program," he notes.

A complete job

Final assembly of the refurbished stabilizers takes place at Grumman's Stuart Operations (Fla.) base. "So the company sends a completely rebuilt horizontal stabilizer — all to engineering specifications — back to the Navy," says King.

Having proven its ability to perform sophisticated composite repair work successfully, King says, Milledgeville is now confident that it can offer repair and reclamation work on virtually any composite parts for both military and commercial aircraft. "What started out as a challenge," he says, "has developed to a point where we now

(Continued on page 6)



Better than new. *An F-14 stabilizer undergoes refurbishment at Milledgeville Operations.*

Summer jobs

Summer employment application forms for daughters and sons of Grummanites are available at all Employee Services (ES) offices and in the Plant 28 Employment office.

Those seeking summer employment must be active, full-time students who have completed at least one year of college by summer '84, are not graduating this June, and are continuing their education full-time in the fall toward a bachelor's degree.

This year's program will run a minimum of eight weeks and a maximum of 10 weeks between May 29 and August 31.

Summer positions are limited. Selections are based on the years of company service of the parent, student interest, and availability of job openings.

Deadline for submitting applications is Friday, April 6. If you have any questions or need more information about the program call Peter Portanova, Ext. 0683, or Renee Cox, Ext. 9385.

Time to sign up

The annual meeting of Grumman shareholders is scheduled for 2 p.m. on Thursday, April 19, in Plant 4. Starting March 19, Bankers Trust Company, agent for the trustees for the Grumman Employee Investment Plan, will begin mailing Plan members proxy statements and confidential cards for voting at the annual meeting, says Bob Bradshaw, Grumman Corporation secretary.

Employees are asked to return the completed cards by April 11 to Bankers Trust Company in the self-addressed, postage-paid envelopes that will accompany the proxy statements.

Because Grumman shares obtained through the Investment Plan are held in trust for each individual member, being a Plan member does not automatically entitle participants to attend the annual meeting, says Bradshaw. Only those persons owning shares of record — that is, shares purchased outside the Investment Plan prior to the record date of March 1, 1984, are eligible to attend.

Grummanites who own company shares as of the record date (March 1, 1984) and who wish to attend the meeting should present their proxy card to any Employee Services (ES) office before April 11 in order to pre-register. *Your proxy card should then be mailed immediately in the return envelope provided.*

GRUMMAN plane news

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L.I. finds itself far short of blood needs

Last year, Grummanites donated over 7,000 pints of blood — approximately 900 pints more than 1982. "That is truly a most gratifying achievement and puts Grumman at the top of Long Island's group contributors' list," notes Vice President Will Bischoff, who is this year's Grumman blood program chairman.

"Unfortunately, Long Island is still far short of the requirements that are necessary each year," states Bischoff. He points out that it is still necessary to purchase approximately 35 percent of L.I.'s needed blood from Europe. "That is because not enough of us give regularly or even at all — only 2.8 percent of the Greater New York Metropolitan area and only 32 percent of the Grumman workforce on Long Island donate."

The need is great

The following figures emphasize just how much blood is needed on Long Island.

- 600 pints of blood are needed every day for hospitals served by L.I. Blood Services.
- 43 hospitals depend on L.I. Blood Services to supply this blood.
- One out of every 10 people entering the hospital needs blood.
- A continuous and steady supply is essential because blood is perishable.
- More blood will be needed to treat people because of advances in its use during therapy of various diseases.

Hotline now open

Bischoff encourages those Grummanites who have questions about donating blood to call the Corporate Blood Program, Ext. 8920 in Plant 35 and leave a message on the recorder. "We will be happy to respond to your inquiry," states Bischoff.

Where you can donate

Here's an updated listing of the dates, times, and locations for blood drives in March and April.

Date	Location	Time
March 13, 14	Woodbury — various plants (mobile unit)	8:45 a.m. — 2:15 p.m.
March 15	Pl. 29 (mobile unit)	8:45 a.m. — 2:15 p.m.
March 21, 22 (day)	Pl. 2	8:15 a.m. — 1:45 p.m.
March 22 (night)	Pl. 2	4:45 p.m. — 9:45 p.m.
March 27	Pl. 6	8:15 a.m. — 1:45 p.m. 4:45 p.m. — 9:45 p.m.
March 28	Pl. 6	8:15 a.m. — 1:45 p.m.
March 29	Pl. 7	8:15 a.m. — 1:45 p.m.
March 29	Pl. 8 (mobile unit)	8:15 a.m. — 1:45 p.m.
April 3	Pl. 106 (mobile unit)	8:45 a.m. — 2:45 p.m.
April 9, 10, 11	Pl. 1	8:15 a.m. — 1:45 p.m.
April 19	Pl. 35	8:45 a.m. — 2:15 p.m.
April 26, 27	Pl. 3	8:15 a.m. — 1:45 p.m.

calendar

AIAA: Thurs., March 22, Antun's, Hicksville, 5:30 p.m. Dinner meeting, "Overview of Fusion Technology." Guest speaker will be Richard Herberman of Advanced Energy Systems. Guests welcome. S. Winkler, Ext. 4279.

American Society of Mechanical Engineers: Wed., March 21, Musicaro's, Melville, 7:30 p.m. Subject, 100 Years of ASME Codes and Standards. Guest speaker will be Howard Silfin, Port Authority of NY & NJ. Guests welcome. Art Miller, Ext. 5085/Ed Lee, Ext. 6658.

ASHRAE: Tues., March 13, Linden Tree, Hicksville, 6 p.m. Topic will be Fire Safety. Guests welcome. Abe Rubenstein, Ext. 3679.

Coin Club — Bethpage: Wed., March 14, Plant 25, vendor conference room, 12:05 p.m. Informal lunchtime meeting. Ken Hale, Ext. 1825.

Computer Club: 1st working Mon. of every month, Recreation bldg., 7 p.m. Computer demo/lectures. Guests welcome. P. Frumkin, Ext. 5134/J. Hayne, Ext. 4945.

French Club: Tues., March 13, 108 North Windhorst Ave., Bethpage, 5:30 p.m. Open to all Grummanites and their friends. Louis Kaufman, Ext. 2323/John Selby, Ext. 6608.

Grumman Disabled American Veteran Club: Wed., March 21, Plant 3 cafeteria, 4 p.m. All disabled American veterans welcome. O. Lewis, Ext. 4476.

Grumman Family Campers: 1st Sun. of every month, Recreation bldg., 5 p.m. Guests welcome. Al Hanes, Ext. 115-3551.

Grumman Motorcycle Club: Wed., March 21, Recreation bldg., 5:30 p.m. Election of officers. J. Mehnert, Ext. 6163.

(Continued on page 12)

A few Q&As about donating

How do I know if I can give blood? If you are between the ages of 17 through 65, weigh at least 110 pounds and are in good health, chances are that you can give blood. Every prospective donor is given a mini-medical examination on donation day to determine his or her eligibility.

Can I spare the blood? Yes. A donation consists of a pint of blood, and the body begins to replace it immediately. Giving a unit of blood in no way weakens your system.

Can I donate if I've had hepatitis? Regulations require that persons with a medical history of hepatitis may not serve as blood donors.

Will I lose weight? No. Your normal volume of blood returns within 24 hours.

Can I give half a pint of blood if I weigh under 110 pounds? Blood can only be donated in pints. A half a pint is rarely called for by the hospitals and would require specially prepared bags.

Is it possible to donate two pints at one time? No. However, you can give a pint now and another in eight weeks. In fact, you can donate blood up to five times a year.

Must I eat before donating? Yes, eat at your regular meal time. Do not miss a meal, and drink extra fluids before donation. If that is within four hours before you are to donate, avoid foods high in fat content such as butter, cream, and fried potatoes. Jellybeans and other refreshments that you can eat before donating will be on hand.

retirees

On behalf of our fellow workers, *Plane News* salutes the following men and women for their contributions to the company and wishes them well in their retirement. Those retiring in March are:

Sam Abramshe (2), John P. DeBlasio (3), John W. Haugh (2), William D. Irish (8), LeRoy J. Lawlor (6), Raymond Sears (2), Louis D. Spina (2), Harold Smith (2), Elbert Matthews (1), Aldrich Wodraska (2), Walter J. Dunne (30), George Perchak (5), John C. Brown (294), Andrew F. Lenzi (3), Theodore E. Flynn (3), Thorer Christianson (12), Paul Zurmazewicz (2), Joel Beach (6), Dee Graves (52), Robert J. Conover (5), Salvatore DeSantis (3), Francis DiRocco (3), Mario J. Lusardi (3), Helen L. Manfredi (30), Frederick Timmerhans (2), Edward Glinka (18), Edmund Scott (GAI), Virginia M. Akins (77), Orlando Pennino (2), Harold J. Fitzgerald (3), Anna M. Luciano (15), Henry Blumenthal (30), Mildred Haas (44), Alexander S. Wenski (6), Helen Rico (2), Marion Ritchie (14), Tore E. Plantin (40), Eugene Phillips (2), Alphonsa L. Lewis (2), Franklin S. Markil (5), Edward A. Festa (3), James Harkness (294), Eugene J. Doland (30), Anthony B. Uravitch (15), Joseph P. Fraiole (30).

Career day

High school students were treated to a look into their futures recently at a Career Day Program held at Adelphi University. Among the 60 career speakers who shared their work experience and expertise with the students were Grummanites Gary Bigel, group head of System Reliability and Data Analysis, and Ken Carmen, section head, Drafting Services.
Services.

"We fielded questions from the students and tried to give them an idea of what engineering is all about," said Bigel. "Making a career decision is very difficult sometimes — that's why this program is so useful for the students."

The program was sponsored by the Nassau Counselors Association and Nassau Technological Center of BOCES. More than 2,000 Nassau County high school students attended the one day seminar.

Career choices. *Gary Bigel, group head of System Reliability and Data Analysis, fields questions from some of the 2,000 students that attended a Career Day Program held at Adelphi University.*

A man of distinction

Grant Hedrick, a member of the Grumman Corporation Board of Directors and a Grumman Aerospace senior management consultant, has been presented with the National Aeronautics and Space Administration's (NASA) Distinguished Public Service Medal.

Grant received the award — the highest honor bestowed by NASA — from NASA Administrator James Beggs on February 15 at the agency's headquarters.

The award is given to individuals whose contributions improved administrative procedures, scientific progress, work methods, manufacturing techniques, personnel practices, public information services, and other NASA efforts. Only four or five are given each year, and Federal employees are not eligible.

Grant Hedrick

Grant was chosen for his contributions to the safety of the Space Transportation System (STS), particularly his work on the orbiter, lightweight external tank, and filament wound rocket booster case. He's in company with such past recipients as author James Michener, who received the Award last July and whose book, "Space," was inspired by his years on the NASA Aeronautics Advisory Committee.

Grant retired from the company in 1980 (at the time, he had completed a term on the Corporate board of directors and was also an Aerospace senior vice president and board member). He started his career with Grumman in 1943 as a stress analyst. He was again elected by Grumman shareholders to the Board of Directors in 1982.

A life saver

Gil Parachini of Plant 25-ILS Engineering is a firm believer in "giving the gift of life," so much so, in fact, that he's donated eight gallons of blood over the years.

Gil was recently presented with an honorary eight-gallon pin for reaching this benchmark by Vice President and Chief Engineer Will Bischoff, '84 chairman of Grumman's Blood Program.

During the presentation, Will pointed out that eight gallons is quite a noteworthy achievement.

"We have a couple of Grummanites who have received two and three-gallon pins, but I'm not aware of anyone else reaching the eight-gallon level," Bischoff remarked. He added that in the Long Island area, according to Long Island Blood Services, the most anyone's given has been eleven gallons. So Gil's closing in on the local champ.

Gil donates blood about four or five times a year, at Grumman and at the Seaford Knights of Columbus Council. He's been a regular donor for over 35 years.

"Years ago, my cousin had a serious operation," he recalled. "They removed part of his stomach and intestines. My brother and I were called in to give blood. From that point on, I've been a request donor."

As a request donor, he can be counted on by the Long Island Blood Services and other agencies to donate blood in the event of an emergency. Last year, for example, he was called in when a young girl was hurt in a car accident.

But Gil doesn't stop with himself — when there's a crisis, he usually manages to convince quite a few others to roll up *their* sleeves, too. Several years ago, the son of an advisor to a local Explorer Scouts post (where Gil is, incidentally, an associate advisor and aquatics director) was stricken with leukemia. Gil was asked to donate, and he also got about 30 others to give.

"It's a matter of inspiring people," he explains. "I try to make them aware of the blood shortage — you can read about it in the newspapers. I tell them it doesn't take long, maybe about 15 minutes, and it doesn't hurt. I try to get them to realize that giving blood is giving life to someone."

All heart. *Gil Parachini (C), an ILS engineer in Plant 25, receives an Eight-Gallon Pin from Will Bischoff (R), vice president-chief engineer and chairman of the 1984 Grumman Blood Program. Looking on is Harry Kline, vice president, Integrated Logistics Support.*

'83 results are in: ideas pay off

Though there was a dip in total savings, 1983 was by no means a bum year for Project Sterling at Grumman Aerospace. In fact, more Grummanites submitted suggestions on how to save time and money in their departments than in 1982.

John Alvar, manager of Motivational Programs Office, reports that 2,809 employee suggestions were submitted last year. Cash awards totalled $147,394; first year savings to the company added up to $7,318,560.

"During 1983, we continued to reduce the average age of the suggesters and the dwell time for our active suggestions," continued Alvar. "In addition, we updated our suggestion program procedure and improved the awards curve schedule . . . to help stimulate participation."

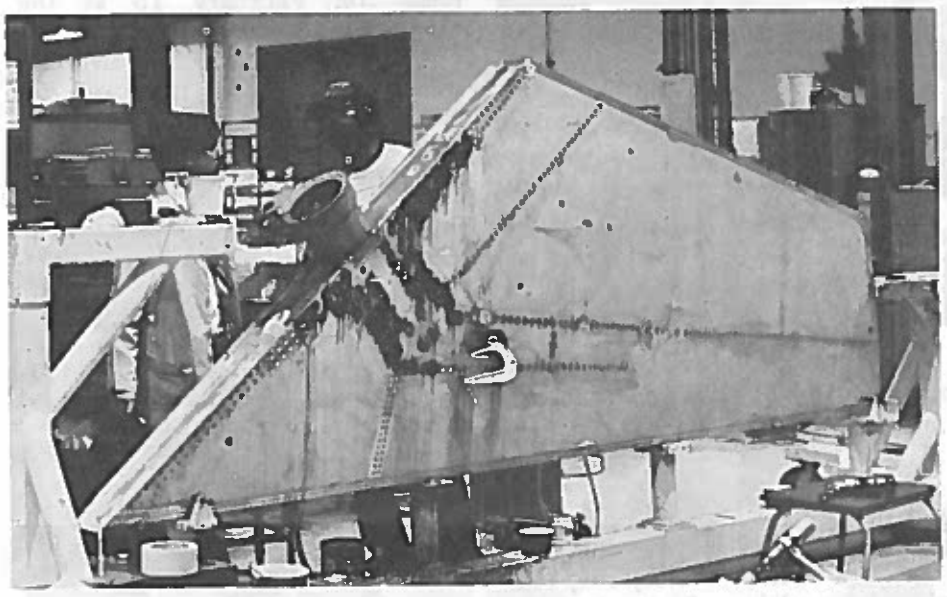
Hats off to Georgia!

Alvar singles out the people at Milledgeville Operations in Georgia for an outstanding year in 1983. "Their participation rate for the year was 78 percent as compared with the company average of approximately 15 percent," states Alvar.

Thanks to support of thousands of Grummanites with cost-saving ideas, the Motivational Programs Office also exceeded its yearly cost savings goal by more than 100 percent. The goal was $29 million; reported savings for 1983 were $64-million.

"As part of our planned goals for 1984, we intend to revise the cost reduction procedure (A502) to simplify cost reporting and to provide more emphasis on the program," concludes Alvar.

On Tuesday, March 6, the company honored top idea suggesters of 1983 at a special dinner held in their honor at the Milleridge Cottage in Jericho. Coverage of this event will appear in the next issue of *Plane News* on March 23.



A challenge that's met. *The Milledgeville team is currently working on four F-14 stabilizers; follow-on orders are for five more.*

Summary for 1983

Department	Submitted/ Approved	Cash Awarded (& No.)	Final Savings
Corp. Staff & Fld. Ops. Field Operations	11/6	$ 610(5)	$ 5,463
Personnel & Admin.	35/3	75(1)	0
Security & Corp. Serv.			
Security & Transport.	16/4	50(1)	0
Facilities-Maint.	23/11	1,845(8)	42,883
Market. & Adv. Tech. Dev.	10/2	25(1)	0
Treasurer	16/1	1,740(1)	33,810
Resources			
Corporate Syst.	2/0	0	0
Facil. Engg.	5/3	3,625(2)	252,618
Business Operations	8/3	100(1)	1,200
Aircraft & Marine Progr.			
Config. Data Mgmt.	9/4	475(3)	7,090
Pt. Mugu Ops.	85/43	1,685(17)	70,681
Manufacturing			
Bethpage Ops.	557/325	35,950(174)	894,077
Manf. & Matl. Engg.	104/50	3,115(25)	113,675
PDOC	35/18	4,005(12)	56,566
Technical Ops.			
Tech. Ops. M/S	1/1	1,760(1)	78,820
Engineering	111/34	13,105(31)	1,819,051
Flight Test	21/4	235(2)	41,896
ILS	122/33	11,135(29)	1,082,094
Corporate Material Ops.			
Corp. Procurement	50/19	3,505(10)	442,618
Material Mgmt.	77/38	7,800(34)	532,344
Corp. Qual. & Safety	42/31	3,100(18)	94,233
Calverton Ops.	327/246	16,760(117)	367,157
Great River Ops.	359/155	14,448(101)	580,490
Milledgeville Ops.	566/164	10,930(46)	582,013
Stuart Ops.	184/116	9,316(76)	135,929
Houston	11/7	710(5)	12,662
Misc.	23/6	1,290(6)	71,190
TOTAL	2,809/1,327	$147,394(727)	$7,318,560

More on Milledgeville

(Continued from page 3)

consider our repair and reclamation work a standardized program with specific written procedures, guidelines, disciplines and specifications similar to any production line program."

"The existence of such a program," says Tom Lahey, deputy general manager, Milledgeville Operations, "puts us as a company in an excellent position to offer a cost and time efficient alternative to the expensive practice of scrapping damaged or old parts and replacing them with brand new assemblies." Lahey points out further that "this concept of a repair program could and by all means should become a very important market, and a good business for us — one that the Grumman Milledgeville facility is especially well suited for."

"The idea of effective serviceability of composite parts for aircraft," he states, "will also serve to enhance the appeal of such parts for production aircraft and create a strong relationship between Grumman and our customers."

A challenging task

"Very few people in this industry, in either the military or commercial areas, have the capability to repair complex composite parts. Here at Milledgeville, Grumman now has that ability. We look forward to building the business of repairs for the company and expect to remain a leader in the field," he notes.

obituaries

ROBERT MAIEWSKY of Assemblies, Plant 3, died February 10 at the age of 49. He had been with the company since 1954 and resided at 1732 Powers Ave., East Meadow.

EDWARD J. BARSALONA of Assembly Methods, Plant 1, died February 12 at the age of 58. He had been with the company since 1964 and resided at 1611 Ohio Ave., Bay Shore.

work

It's one-third of your day for probably 45 years of your life. You love it, hate it, can't wait for Mondays, or just live for Fridays. It gives meaning to your life, or maybe it's just a way to keep food in your stomach and clothes on your back.

Whatever work means to you, it's definitely part of the way you define your place in the world.

In the latest in a series of interviews in which Grummanites talk about work, Harrold Brown, a leadman at Grumman's Milledgeville Operations, Georgia, talks about his job.

The manufacturing of composite parts — the whole idea of the composite materials business — was brand new to us when the Grumman plant opened up down here in Georgia. And the way new developments and new projects keep coming up, the business still feels new to me.

When I started at Milledgeville, I was working in the layup room and we had maybe two or three tables for the design patterns to be laid out and cut manually.

I got the job in the first place by taking an admission test and then being called up for a training school program. The training was designed to familiarize us with the materials we would be working with at the plant — Kevlar, graphite, boron and other materials I had never even heard of before. When we got into the shop, at first all we did was work on odds and ends — really still a part of the training process.

Then, all of a sudden it seemed, all the new tooling started to arrive. That was when we really started getting "on the job" experience — learning how to use the machines and the special raw materials as we went along. That was the beginning of the F-14 program down here, and we're still getting new equipment and new raw materials all the time as the program progresses and more work is transferred to the plant.

'The real plus of being a leadman here is being able to see a project from start to finish'

I'm a leadman now with responsibility for filling work orders on several projects — right now the F-14 work and the Sikorsky S-76 helicopter stabilizer.

Essentially what I do is coordinate the work being done in the shop on the projects that I am in charge of. Based on the work orders and job priorities that have been established for the programs and sent down to us from the planning and engineering people, I allocate the work in each area for the day.

Because of the nature of working with composite materials, our work schedules have to follow standardized procedures. Most of the composite parts made in the plant have to be laid out, cut, cured, bonded, trimmed and so on — in a specific order. What I have to do is make sure all that work is coordinated properly so that everything progresses smoothly and on schedule.

Of course, there are the times when everything doesn't necessarily go so smoothly. Sometimes, for one reason or another — like a machine being down for repairs or a temporary lack of some material — we might have to deviate from the planned work schedule. Then it's my decision, working with the dispatchers and shop floor foremen, where to channel the day's work within the program. That kind of troubleshooting can make the job more exciting sometimes. Sometimes though, it can also give you a real pain.

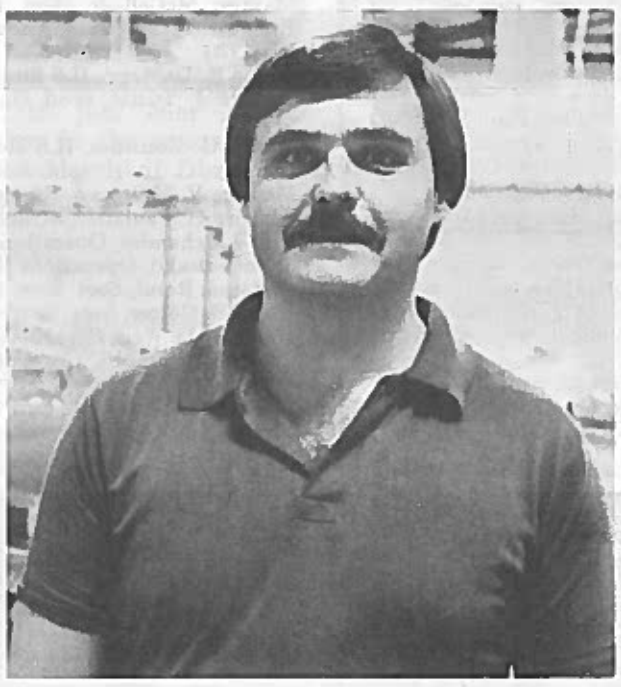
The fact is though, that I really enjoy my job. The challenge of working with composites — a new field that is still growing and changing — makes everything else about the job seem new and keeps things very interesting. Working with all the shop people, along with supervisors and engineers and so on, is also very rewarding. The whole process is like an ongoing education for me. I feel like I'm learning something new almost every day.

The real plus of being a leadman here is being able to see a project from start to finish. I'm not just working on one stage of a particular part. I get to see the whole process from raw materials to finished product, and that's very rewarding too. I make sure the parts that I'm in charge of are "running" — that the proper work orders are available so the actual work is allocated properly.

I have to see to it that all the required tooling and materials are available and on-hand where they are supposed to be. Further down the line, I check the autoclaves — the high-heat, high-pressure ovens that we use to bond the composite parts — to make sure parts are dispatched properly and ready for trimming and other tooling.

I think that having the Grumman plant here in Milledgeville is really good for Georgia. The plant created jobs for people down here and actually upgraded the kind of industrial technology that is done in this area.

'. . . the 'Grumman family' fits in well in this part of the country because of our strong family ties'



Leadman Harrold Brown

I've made a lot of good friends at the plant and the idea of the "Grumman family" fits in well in this part of the country because of our strong family ties. The clubs and recreation teams are really a good way of making working for the company that much better.

Personally, I love to hunt and fish. People in Georgia grow up with hunting and fishing right in their backyards, so it's a natural for us. Grumman sponsors a rod and gun club for the Milledgeville employees, which I am a member of. We're planning our first big event, a banquet for the club with speeches from the Game and Fish Commission and afterwards a "big lie" contest for both the fishermen and the hunters. That should be really good.

We get together a lot down here outside of work, especially on payday. Everyone likes to go out and have a few laughs after a week's work. On the job it's pretty much the same thing. We all try to work together to make each day go smoothly. Everyone knows that if my job goes smoothly then their jobs go smoothly all the way up and down the line — that's Milledgeville teamwork.

Personals

I would like to thank my friends and co-workers for their concern and sympathy in the recent loss of my mother. The flowers and generous donation to the cancer fund were greatly appreciated. **Barbara Wilkeyson**

On behalf of my family and myself, I thank all my friends for their kind expressions of sympathy during the recent loss of my father. **Al Eusini**

I would sincerely like to thank my friends and co-workers for their kindness and sympathy extended to my family and myself on the loss of my father. **Charlie Hall**

Gratefully acknowledging and thanking you for your kind expression of sympathy. **The Giordano Family**

My family and I wish to thank our friends and co-workers in Plants 43 and 44, for their kind and sincere expressions of sympathy during the recent loss of my father. **Bill Hons**

I would like to thank all of my fellow co-workers who recently attended my retirement party. I appreciate the time each of you took to stop by and wish me the best. I will always look back on the day with fondest of memories. **Joseph Laveglia**

My family and I gratefully acknowledge and deeply appreciate the comforting thoughtfulness of the Grumman family, upon the recent loss of my father. **Larry Lander**

My family and I would like to thank everyone for their support and kind expressions of sympathy during the recent loss of my husband. **Tess Scura**

On behalf of my family and myself, I want to thank all my friends and co-workers at Grumman for their kindness, generosity, and expression of sympathy during the recent loss of my mother. **Andrew Gura**

Next issue: March 23

service milestones

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Edward T. Jacobs, Tool Maint. & Repair (1)
Charles J. Lekoski Jr., ILS Mech. Equip. Eng. (1)
Charles T. Gelling, ILS Prog. Cont. Mgt. (1)
Stephen Gamart, ILS Equip. Des. Eng. (1)
Walter Meinck, ILS Training Sys. Eng. (1)
Michael C. Argenio, Safety & Main. (1)
James M. Newland, Prod. Cont. — Parts Cont. (2)
Galen D. Area, Jigs & Fix. (2)
Nicholas P. Calabria, Jigs & Fix (2)
Salvatore Pavese, Mach. Shop (2)
Victor E. Smits, Jigs & Fix. (2)
George Sheredos, Metal Treat — Fin./Seal. (2)
Alfred Collins, Food Serv. (2)
Beatrice A. Barry, Mach. Oper. Tech Serv. (3)
Donald F. Reis, ILS Sub-Sys. Eng. (4)
Thomas D. Wood, Pres. Serv. (5)
Homer C. Potonides, Propulsion Stf. (5)
Michael E. Antonucci, Sys. Sci. (5)
Richard T. Weil, Operations (5)
Augustino Cammalleri, Corp. Inst. Sys. (5)
Leslie G. Rooney, Prog. Cont. (5)
John T. Luna, Bus. Mgmt. & Anal. (5)
Dorothy P. Weed, Matl. & Log. Mgmt. & Stf. (6)

Dateline: March '64

Twenty years ago this month . . . A-6A squadron, VA-75, becomes the first Intruder squadron to be deployed to the Fleet. Grumman receives a $128-million contract for continued production of the A-6A through 1965 . . . . The second fully-configured E-2A Hawkeye for Carrier Airborne-Early-Warning Squadron 11 is accepted by the Navy. The E-2A is destined to replace the Grumman E-1B Tracer which is now performing with VAW-11 . . . . A "name the plane" contest gets underway to find a nickname for the new C-2 (Greyhound, for those who forgot) . . . . NASA officials visit Grumman and see full-scale mockup of the Lunar Excursion Module for the first time . . . Two Grummanites, Al Oerter and Lou Giani, are in training for the Summer Olympics in Japan. Oerter is going after his third gold medal in the discus-throwing event, while Giani aims for a gold in wrestling (138-lb. division) . . . . Plant 30 unveils its new cafeteria — with a "supermarket" concept designed to cut down on long lines.

Douglas Crooks, ILS Elect. Pack. (6)
Romeo Cammisa, Propl. & Fluid Sys. Supt. (6)
Gary S. Sennes, Flt. Ops. (7)
Philip W. Niedringhaus, Q.C. Lab. (10)
George G. Evans, Templates (11)
Louis P. Nardo, Subsys. Reliability (14)
Warren W. Soper, Software Anal. (14)
Frank A. Fitzgerald, Eng. Dev. Mgt. & Staff (14)
Arthur F. Molnar, Camera Graphics (15)
Leonard O. Vaughan, Cent. Ship. & Pkg. (17)
Shirley A. Murray, Plt. Protection (18)
Morris Turner, Trans. Oper. (20)
William R. Burleson, Insp. Mach. Parts (24)
Robert T. Tolle, ILS Prog. Mgmt. (25)
George E. Mitchell, ILS Subsys. Eng. (25)
Peter C. Lugbauer, Performance (25)
Joseph F. Rom, Subsys. Reliability (25)
Leonard L. McCoy, Safety & Maint. (25)
Robert J. Henke, Electro./Mech. Des. (25)
James J. Ryan, Mach. Parts/Matl. (30)
Marilyn J. Lage, Gen. Comm. (30)
Raymond Weeks, Sub. Cont. Serv. (30)
Robert J. Williams, ILS Equip. Des. Eng. (35)
James J. Hopkins, Fld. Pwr./Pyro. (35)
Leon M. Davidson, Comp. Tech Dev. (35)
Heinz P. Baumgartner, ILS Dig. TPS Eng. (40)
Eugene W. Hansen, ILS Tech. Dir. (40)
Arthur Martin, ILS Supt. Ops. Proj. Mgt. (40)
John L. Rebholz, Pwr. Plant Des. (40)
Howard Fine, Equip. Therm. Des. (40)
David C. Engle, Electro. Compatibl. (40)
Murray A. Brill, Sys. Rel. (40)
Sidney Pearlman, Sys. Rel. (40)
Glen O. Kerrebrock, Safety & Maint. (40)
Richard A. Wies, Comp. Arch. (40)
William F. Noonan, Av. Sys. Test (43)
Robert G. Ward, Mfg. Reqts. Plan. (43)
Richard E. Johnson, Methods Eng. A/C (43)
Carmelo D. Femia, Prog. Mgmt. (43)
Joseph P. Haller Jr., Software Appl. (47)
Frank Vozzolo Jr., Oper. Mgt. & Staff (77)
John R. King, Prod. Mgmt./Stf. & Shop (77)
James C. Porter, Tool Eng. (77)
Ivar E. Ringdahl, Engineering (88)
Frederick V. Reiff, Bus. Ops. (105)
Jack Krammer, ILS RF/Servo/Elec. Eng. (106)
James R. Gould Jr., ILS Sys. Concept (106)
Henry J. Baluta, ILS Auto Test Equip. Eng. (106)

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Remo T. Savino, PPO — F-14 (1)
Jack A. Rowman, PPO — F-14 (1)
Dorthea E. Rhodes, ILS Admin. (1)
Donald G. Reiner, ILS Sub-Sys. Eng. (1)
Joseph Militello, ILS Elect. Packaging (1)
Wardell Burris, Maint. Facil. Equip. & Gen. (1)
James N. Hansen, Sys. Des. (1)
John J. Ryan, Ant. & Radomes (1)
Richard Wong, Operations (1)
Geraldine M. Miller, Sect. Serv. (1)
Roger S. Samios, Prod. Prog. (1)
William H. Steward, Prod. Prog. (1)
Francis A. Gabrus, Heat Treat (2)
Loistine Ellis, Mfg. Status (2)
Anna H. Schuman, Prod. Rel. & Anal. (2)
James E. Eagers, Mfg. Est. Adv. Proj. (2)
Rudolph J. Mayerick, Mfg. Est. Adv. Proj. (2)
Steven H. Taylor, Templates (2)
Milton M. Moss, Ind. Eng. (2)
Anthony DeStefano, Cutter Grd. (2)
Frank Denzel, Food Serv. (2)
Henry H. Beck, Matl. Rev. Eng. (2)
Mathew McCall Jr., Det. Parts Fab. (3)
Richard J. Cierski, Mach. Oper-Tech. Serv. (3)
Oscoe R. DeMagri, ILS Site Rqmts. (3)
Eugene J. Tuttle, Prod. Cntl.-Parts Cont. (4)
Victor G. Zourides, ILS Des. Eng. Mgmt. (4)
Maurice V. Marrocco, Stockrooms (5)
Richard H. Faulkner, Struct. Test (5)
Paul J. Schander, Operations (5)
John Malesko, Operations (5)
Christina Bond, Sect. Serv. (5)
Helen E. Geiger, Sect. Serv. (5)
Margaret D. Weis, Sect. Serv. (5)
Peter T. Sciarabba, Corp. Instr. Grd. Test (5)
Stanley B. Crane, Fld. Ops. Logis. (5)
Arthur R. Barzelay, Corp. Productivity (5)
Robert L. Vizet, Prog. Plann. Cont. & Budg. (5)
Vincent Clerico, Bus. Ops. M/S (5)
Raymond G. Nightingale, V.P. Staff Oper. & Admin. (5)
Edward J. Keating, Ind. Eng. (6)
Marguerite Gibbons, Q.C. Mgmt. & Admin. (6)
John H. Kispert, FTT Tech. Supt. (7)
Marianna M. Bond, Sect. Serv. (7)
Thomas F. Schroder, Prog. Plann. Cont. & Budg. (9)
Robert B. Evers, Maint. Rearrangement (12)
Joseph A. Powers, Maint. Rearrangement (12)
Teresa S. Yang, Metallurgical Eng. (12)
Evelyn D. Stoye, Repro. Serv. (15)
Ronald L. Soreil, ILS Tech. Writing (15)
John Kalinoglu, ILS Tech. Writing (15)
John A. Zoro, ILS Tech. Writing (15)
John J. Agosta, ILS Tech. Illus. (15)
James E. Emken Jr., Plt. Protection (18)
Sidney Israel, Plt. Protection (18)
Robert W. Wissler, Inv. Plan. & Anal. (21)
Katherine B. Rivers, Mfg. Prog. Mgt. (25)
Frank R. Morris, PPO-E-2
Robert A. Kohser, ILS Digital TPS Eng. (25)
Thomas J. Shannon, ILS Comm. Cont. (25)

This issue features those Grummanites who celebrate 20 and 15 year service milestones in March. The next issue will list those who mark their 40, 35, 30 and 25 year anniversaries.

Remember when *. . . The mockup of the Navy's new air superiority fighter — the Grumman F-14 Tomcat — wowed them at a press review in March 1969.*

Dateline: March '69

Fifteen years ago this month . . . Photographs, live recordings and lots of note-taking are the order of the day when the press comes to Grumman to view a mockup of the Navy's new air superiority fighter, the F-14 Tomcat . . . . The prototype E-2B Hawkeye makes its maiden flight from Bethpage airport . . . The OAO-II is getting rave reviews for its first 75 days in orbit. It has recorded over 4½ million pieces of information, accepted 80,000 commands and traversed 27,270,000 miles in 1,100 orbits. The Apollo 9 crew successfully dock LM-3 with the Command Module . . . LM-4 is scheduled for Apollo 10 lunar orbital mission in May — LM-5 is the spacecraft that will land on the moon in July . . . . The last Gulfstream I is delivered from Bethpage and production of the Gulfstream II is rolling along at Savannah, Georgia . . . . The Stuart plant becomes a "Work Center," in charge of its own planning, scheduling, production work-flow, flight testing, and sell-off of Mohawks. In short, it officially becomes "Mohawk Country." And one last note . . . a Grumman TF-9J Cougar virtually flew itself not too long ago. When the engine failed during a training flight, the pilot and his trainee bailed out . . . and watched the plane make a wide circle and gracefully touch down and skid along on its belly in a Texas marsh.

Julius J. Kollarik, Dist. Serv. (25)
Joseph J. Brazzamano, Dig. Tech. (25)
Marjorie E. Deisler, Sect. Serv. (25)
Anna M. DeMarzi, Sect. Serv. (25)
Herman Kaplan, Integration (25)
Richard A. Wilner, Corp. Proc. (28)
Concetta Morreale, Corp. Proc. (28)
Robert G. Biedermann, Motivation Prog. (28)
Matteo J. Gaudioso, Proc. Serv. (30)
Richard J. Gilvey, Pricing & Anal. (30)
James J. Anoia, Corp. Proc. Ops. Mgt. & Stf. (30)
Norman L. Heilweil, Matl. Mgt. M/S (30)
Arthur E. Holz, Tech. Reqmts. (30)
George K. Egbert, Tech. Reqmts. (30)
Sam Forman, Equip. Eng. (30)
John E. Lynch, Cont. Rev. (30)
Robert J. Konczynski, Invoice Audit (30)
Felix R. Giobbe, Prop. Acct. (30)
Joy F. Curry, Doc. Proc. Serv. (35)
Martin R. Klop, Sys. Cost/Perf. Anal. (35)
Jerome Rogers, Dig. Tech. (35)
Richard J. DeIasi, Matl. & Struct. Mech. (35)
Robert Winter, Matl. & Struct. Mech. (35)
Joel Markowitz, Prod. Tech. Dev. M/S (35)
Albert J. Echeverria, Qual. Eng. (35)
Clifford C. Wood, Prog. Qual. Mgt. (35)
Robert W. Aitken, Corp. Qual. Mgt. & Admin. (35)
Joseph Isenstadt, Instruct./Anal. (39)
Robert C. Crane, PPO-A-6 & EW Progs. (40)
James E. Brown, ILS Site Rqmts. (40)
Gerald R. Kennedy, ILS Sys. Eng. Mgmt. (40)
Joseph M. Sardone, ILS Sub-Sys. Eng. (40)
Louis B. Guadagni, Tech. Reqmts. (40)
Richard Scibilia, Stabil. & Cont. Equip. (40)
Alfred J. Eusini, Avionics Des. Proj. Mgt. (40)
John F. Gobler, Avionics Des. Proj. Mgt. (40)
Allan S. Hiltunen, Avionics Des. Proj. Mgt. (40)
Patricia E. Napel, Sys. & Cont. (40)
George E. Pontoppidan, Proj. Plann. (40)
John R. Rizzo, Eng. Admin. Oper. (40)
Hilda Bernardo, Conf. Data. Mgmt. (40)
Albert A. Keck, Mech. Struct. & Assemb. (43)
Alain Onuska, Mfg. Reqts. Plann. (43)
Alexander S. Klimar, Methods Eng. GSE (43)
Willie R. Reid, Resources (43)
John M. Frey Jr., Avionics Purch. (44)
Raymond J. Ferrari, ILS Training Sys. Eng. (47)
William C. Rousseau, ILS Training Sys. Eng. (47)
Regina Byrd, Training Sys. Prog. (47)
Joseph S. Wilson, Maint. Admin. (56)
Maurice L. Junod, CAMMA Corp. Nacelles (77)
Bernard D. Matthews, Fuse. Assy. (77)
Osmond A. Henderson, Matl. Mgmt. (77)
Joe I. Rivera, Base Mgmt. (88)
Clarence M. Ammons, Support (88)
Nicholas T. Papandreas, Bus. Oper. (105)
Saul Rosenthal, ILS Equip. Des. Eng. (106)
Joseph F. Sherry, Prod. Progs. (106)
Joseph P. Bomba, Payroll (111)
Thomas B. Vaught, ILS Sys. Concepts (267)

Come help stomp out birth defects on Apr. 29

The children of tomorrow are counting on Long Islanders to put their best foot forward on Sunday, April 29. That's the date of this year's WalkAmerica sponsored by the Long Island Chapter of the March of Dimes Birth Defects Foundation.

As in recent years, Grummanites are invited to join over 10,000 Long Islanders in the annual fundraiser for the March of Dimes and its fight against birth defects.

Two walkathons

There will be two walkathons on Long Island that Sunday: the Nassau County walk at Eisenhower Park in East Meadow and the Suffolk County event at the Smithaven Plaza in Lake Grove.

The next generation of kids is counting on WalkAmerica '84 participants. Birth defects are the number one child health problem in the United States, affecting 250,000 babies each year and some 15 million Americans of all ages.

Through its hundreds of grants to leading institutions and medical centers across the nation, the March of Dimes plays a major role in finding causes, developing treatments, and preventing birth defects.

Local support

WalkAmerica funds benefit local communities directly. Funds raised support community-based health services, such as perinatal clinics and intensive care nurseries. By participating in WalkAmerica '84, Grummanites can join the fight to save babies and give America's future generations the best start in life.

How to sign up

If you plan on participating in this year's WalkAmerica on Sunday, April 29, here are a few facts about the March of Dimes fundraiser.

Both Nassau and Suffolk courses are 30 kilometers long, or about 18 miles.

To sign up, go to your local Employee Services (ES) office and pick up an application form, fill it out, and send it to the March of Dimes (address is printed on back). Make sure that you indicate that you are from Grumman.

Then, start asking your family, friends and co-workers to pledge money for each kilometer you walk. Write down their pledges on your sponsor sheet.

On Sunday, April 29, show up at 8 a.m. at either Eisenhower Park or Smithaven Mall with the top copy of your sponsor sheet.

Black History luncheon

Astronaut Bolden speaks to sellout crowd

"If there's anything in the world you want, just ask for it," declared Astronaut Charles Bolden Jr. "Don't place a limitation on yourself. If you're lucky, the answers you get will be 'yes.' If not, just keep trying."

Bolden was keynote speaker at this year's Black History Month luncheon, held February 17 at the Milleridge Cottage in Jericho, L.I., and sponsored by the Grumman-Bethpage Naval Plant Representative Office (NAVPRO). A sellout crowd of 420 turned out to hear Bolden's speech.

Becoming an astronaut wasn't a lifelong ambition for Bolden, he says; rather more of a second career — and also the culmination of many separate efforts. Following graduation from the U.S. Naval Academy in 1966, he enlisted in the Marine Corps. He's now a lieutenant colonel. He also earned a masters degree in systems management from University of Southern California in 1978.

To qualify for astronaut training, Bolden first had to complete Navy Test Pilot training at Patuxent River, Maryland.

"I applied four or five times before I was finally accepted into test pilot school," Bolden recalled. He adds that he was initially hesitant to apply for the astronauts' program, and let the first deadline slip

Making history. *Astronaut Charles Bolden says opportunities abound for today's young people, but they must be pursued aggressively.*

by. Later, he sent in an application to NASA, and was chosen as an astronaut candidate in 1979.

"To quote an old proverb, success is taking failure and turning it inside out," he joked.

Bolden also has taken nine flights aboard the Grumman-built Shuttle Trainer Aircraft (STA). His Shuttle assignment has not yet been announced.

"I think my job's exciting," he said. "I've had a lot of fun. But the most exciting day I've had so far has been my first day on the STA, at White Sands, New Mexico. You see Bob Crippen, John Young, and the rest come back from their missions, saying, 'It was great!' But after four years as an astronaut who hasn't gone up yet, you begin to feel, 'if only I could just get on the STA it would make me feel I'm getting there.' "

Bolden noted that history shouldn't overlook those whose contributions have been behind the scenes.

"It's important that we have enough teachers and engineers keeping the space program going," he remarked.

At the close of the luncheon, Bolden was presented with a plaque recognizing his contribution to Black History by Grumman Corporation President Joe Gavin and NAVPRO Commanding Officer Capt. Roy Buehler.

Back room dealings. *In its ongoing quest for parity, the Grumman Egg League recently held its annual draft at a nearby pub. Coaches made their top picks for the new season from the pool of veterans in the league. Number One picks were Bill DeWitt and Peggy Fremgen. (Photos by Jim Prestinari.)*

Steinbrenner, eat your heart out

It takes place each year in the smoke-filled back room of Hayes Tavern in Bethpage. Some of the participants are hardbitten veterans — others are rookies, nervously checking their watches and scanning pages of notes. According to time honored tradition, the bell is rung precisely at 5:30 p.m. What is everyone doing? you may ask. Is it a meeting of political bosses? A gathering of local lodge members? No. It's the annual Grumman Egg League Softball draft.

Every January the coaches of the 12 men's and four women's softball teams from the Thursday night Egg League gather to haggle over trades and drink tap beer. But the big action, beginning with the 5:30 bell, is when the coaches make their top picks from the pool of veteran players in the league. The coaches make their careful choices based on a player rating system in which they rate their own players from each previous year. Draft choices are allocated according to team standings in the previous season.

"The whole idea of the draft," says league director George Heaslip, "is to keep the Egg league as fair, honest and competitively even as possible. And, of course, have a lot of fun doing it."

All the coaches are given a three-minute time limit in which to make their draft choices. At the January draft the teams usually fill six of the 15 roster spots available. Most of the remainder of the team is filled in at the second draft meeting held in February. Rookies are added to the squads last, after a special Rookie Day held in April.

"Rookies can be a real hot commodity," says Heaslip. "No one really knows their quality at the start and a good pick can sometimes make all the difference for a team."

Generally though, the coaches rely on the rating system for the league's veteran players. Each year Heaslip compiles and publishes what is known as his "Pyramid" chart. The Pyramid lists in descending order all the top-rated players and their expected picks in the draft. At this year's first draft meeting, as in the last several years, power hitting shortstop Bill DeWitt was the first player chosen. "DeWitt is always at the top of the Pyramid because he is simply the most devastating hitting shortstop in the league, and shortstops and hitters are the hot items in this league," says Heaslip.

He also notes: "If you look at the top choices made in the first five rounds of the draft this year compared to the rankings, you'll see that the Pyramid was an amazing 94.4 percent accurate."

Choosing third in the first round Heaslip stayed true to his Pyramid, picking highly rated Russ Cammarata — a former college baseball catcher "with the strength to hit the long-ball. He doesn't know it yet but I'm going to convert him to shortstop this year. He's got the youth and talent we need in that spot, and we're looking for great things from him this year. Hell, he can hit the ball well over 300 feet! That's our clean-up batter right there," he notes.

In the women's division, coach Alberta Sawicki — a three time league world series winner — went with "known quality" for her number three first round pick, choosing Karen Smatlak. "Karen was my first pick last year so I know just how valuable a player she is — both for her homerun power and her knowledge of the game. She's a real heads-up ball-player all around and I was glad to get her again this year," says Sawicki.

The first choice in the women's division went to first year coach Geri Walsh. Walsh took former Grumman Women's Varsity softball player Peggy Fremgen, described as "probably one of the best outfielders in the league." One of the top two picks every year, Peggy is said to be a dedicated player as well as being able to "hit the ball a ton."

Gene Lowe, co-director of the Egg League with Heaslip and Bill Pallack, says that because the Egg League is the only Grumman softball league to hold a yearly draft, it is also the only league in which the season's playoff teams and even in some cases the league champs, aren't already known from the start.

"In all the other leagues," he says, "you can pretty much expect to see the same players on the same teams in the playoffs year after year because some of the teams are stacked with talent. But in the Egg League, you never know who is going to go all the way since the draft divides the available talent pretty evenly. It makes for the kind of parity that gives everyone a shot at being league champs each year. It's more fair and more fun for everyone this way and that's what the Egg League is all about anyway . . . fun."

Draft masters of the game

The following is a list of the top players chosen in both the men's and women's divisions of the Thursday night Egg League softball draft:

Women's division — Peggy Fremgen, Debbie McMillan, Karen Smatlak, Lori Pascucci, Janice Walker, Toni Encizo, Diane Gaidon, Jane Ohrtman, Diane Prudente, Allyson Brady.

Men's division — Bill DeWitt, Fred Neuscheler, Ray Costanzo, Russ Cammarata, Dom Pagnozzi, Lou Pizzo, Dan Brady, Ron Bartlett, Ken White, Don Stack.

Tournament bound

The Grumman varsity hockey team recently picked up back-to-back victories over a very physical New York City Fire Department "A" hockey team. The two consecutive wins qualify the Tomcats for the New York State Regional Tournament to be held this year over St. Patrick's Day weekend, March 16-18.

In the first game, the Tomcat's Mike LaBianca and Tim Shelly led the way with two goals each, while Jim Allen picked up two assists in the 5-3 victory. One day later, the Grumman skaters again bested the Fire Department team by the score of 7-4. LaBianca led all scorers in this second match with two goals and four assists. Shelly also netted two goals in the contest.

After the two tough games against the Fire Department, the Tomcats found the going a good deal easier in a game against Eaton Airborne, trouncing the weak Airborne squad by a score of 17-2.

Three Tomcats — Allen, Tom Carrol and Dave Drew — picked up hat tricks in the game while Bret Klein and rookie Chris Fincken added two goals each.

The high scoring Airborne game helped move three Tomcat shooters into the top three scoring positions in the Long Island Industrial Hockey League. LaBianca, Allen and Drew currently hold the first, second and third highest scoring spots, respectively, in the league.

Greek Isles

Are you ready for an idyllic Homeresque tour of Greece and the exotic Greek Isles? Then sign up for Recreation's June 6-20,1984 trip to Greece.

The $1,931 per person double occupancy price tag includes round-trip transportation via Olympic Airlines with round-trip transfers between airport and hotel as well as five nights accommodations at the Athenea Palace in Athens with a choice of lunch or dinner in the famous city of the Greek gods.

Also included in your trip will be a complete sightseeing tour of Athens and a day tour to Delphi with lunch; six days and five nights on the Grand Peloponnese tour with all meals; an excursion to Cape Sounion; three days and three nights on an Aegean Cruise with all meals; taxes, baggage handling, and gratuities included. Single price for the entire trip is $2,078 and triple occupancy is $1,810 per person. For further information call the Grumman Recreation office at 2133.

Feeling lucky?

Grumman Recreation is sponsoring a one-day junket for high rollers to the Resorts International casino in Atlantic City, New Jersey on Wednesday, March 28. The bus will leave from Bethpage at 9 a.m. and return at approximately 11 p.m. that night. The per-person price tag of $15.50 includes roundtrip transportation, a $10 cash refund, $2.50 food or beverage coupon, and a $5 deferred coupon redeemable in June.

Recreation is also sponsoring a similar trip to Atlantic City's Playboy Club casino for April 30. The round trip bus excursion departs at 9:45 a.m. and will return at approximately 11:00 p.m. Round trip transportation, a $10 refund, and $7.00 in food certificates is all included in the $12.50 per person package price. For further information contact the Recreation Office, Ext. 2133.

Bowling buffet

Grumman Recreation will hold its fifth annual Candlelight Bowling dinner on Saturday, May 5, 7 p.m. at Sheridan Lanes on Jericho Turnpike in Mineola.

The cost of the event is $7 per person and includes three games of bowling and a hot and cold buffet. Deadline for registration is May 3. There is space available for only 200 people, so make your reservations now. Call Herb Mahoney, Ext. 2133. Make checks payable to Grumman Recreation.

B-ball victory

The Grumman varsity basketball team moved into sole possession of first place in the Long Island Industrial League with an impressive victory over a previously unbeaten IBM team. The strong IBM squad started the game with a "hot hand" and led the Grummanite hoopsters by as many as 8 points late in the second half. Alert defensive play resulting in several steals and a key blocked shot by Julius Longshore (who was slightly injured on the play) enabled the varsity squad to pull out a 100 to 96 win.

Hot Cooke

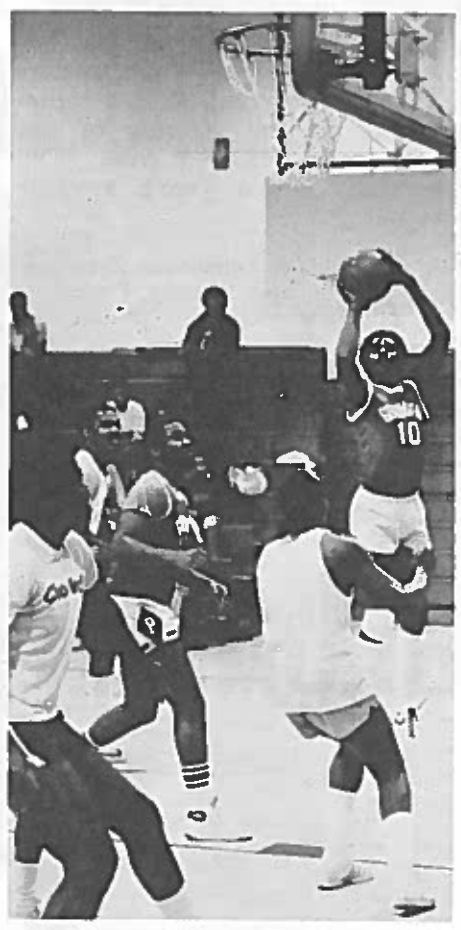
Rick Cooke, who has really come alive in the second half of the season, led the Grummanites with 29 points and seven rebounds for his best game to date while floor leader Fred Turner controlled the team's playing tempo, adding 15 points and 14 assists. High scoring Columbus Poole got hot in the second half of the game, contributing 19 points, while Tom Walker scored 12 points and added five rebounds. Jim McKinstry also had 15 points and gathered in a team high 20 rebounds. Dave Follins hit two big foul shots at the end to cap the victory for the varsity, putting the team's record in the LIIL at nine wins and zero losses.

Glen Cove loss

Despite a similar fine performance in the Glen Cove Open League, the Grummanites dropped a game in that tough division to the Balbec team by the slim margin of 77 to 76. A strong defensive effort by Mike Kennedy against former St. John's University and New York Nets star Bill Schaffer went for naught when last second turnovers and a close official's call went against the Grumman team. A very tough loss for the squad.

Turnovers were also the team's undoing in another Glen Cove Open League game against Guy Dye. Though the Grummanites led by as many as 8 points in the game, a total of 18 turnovers resulted in a 79 to 72 loss.

Men's varsity. *Members of the 1984 Grumman men's varsity bowling team include: (L to R) standing: Jack Nielsen, Ed Gabriel, Al Kirillin, Ed Hilbert and John Evron; kneeling: Tony Napolitano, George Perry, Eddy Eng, Niel Napolitano and Bob Kohlhoff. The team rolls into action in the Grumman-sponsored Long Island Industrial Tournament held March 10, 17, 24 and 31 at the Mid Isle Lanes.*



Deadeye. *Columbus Poole takes aim for two of the 19 points that he contributed in a recent Grumman varsity basketball team victory over the previously undefeated IBM team. The 100 to 96 win gives the varsity squad sole possession of first place in the Long Island Industrial Basketball League as they head into the season's playoffs. Photo by Rich Breunig.*

Racquetball tourney
Entry form

Your name .....

Mail stop ..... Perm. No. ..... Ext. .....

Men's Division

Singles' division: ☐ A ☐ B ☐ C ☐ Novice

Doubles' division: ☐ A ☐ B ☐ C

Women's Division

Singles: ☐ Advanced ☐ Intermediate ☐ Novice

Doubles: ☐ Advanced ☐ Intermediate

Partner's name .....

Perm. No. ..... Ext. .....

Deadline March 21.
Mail to: A01-28A

Court action begins in April

Racquetball players are advised to mark their calendars. The fifth annual Grumman Racquetball Tournament will be held on April 7 and 8 at the Royal Racquetball Courts on Middle Country Road in Coram. The tournament is restricted to full-time Grumman employees.

Don't forget to pay

The entry fee for one division this year is $22 and $28 to play in both singles and doubles divisions. The entry fee must accompany your entry form when you sign up.

The Recreation Office requests that entrants not mail cash — rather, send checks payable to Royal Racquetball. Entry deadline is Wednesday, March 21.

At least two matches

Winners in this year's tourney will receive first and second place trophies, while gift certificates will be awarded to third and fourth place finishers. Entry fees also cover refreshments, T-shirts, court fees and a guarantee of playing two matches.

If you won a division title last year, you must move up to the next division for this year's tourney. In doubles competition, each team must enter the highest division of one of its players. Entrants may play in only one doubles division.

All day event

Games will begin around 9 a.m. and end about 7 p.m. with singles play preceding doubles competition. Entrants can find out their starting times by calling Royal Racquetball on or after April 3 at (516) 732-5500. Players are expected to check in at the courts one half hour prior to their start times. All entrants are advised to bring their own towels and locks.

Softball teams to meet

Recreation-sponsored softball leagues will be holding organizational meetings soon, so coaches are advised to get their rosters ready. Teams must send a representative to the meeting of the league they plan to enter. The following is this year's meeting schedule:

Plants 1 and 4 Lunchtime League — Monday, April 2nd, 12 noon, Plant 1 rec area; commissioner Roe Strazzeri, Ext. 5431.

Plants 2 and 5 Lunchtime League — Tuesday, April 3rd, 12 noon, Plant 2 conference room; league commissioner Joe Frisenda, Ext. 3373.

Plant 3 Lunchtime League — Wednesday, April 4th, 12 noon, Plant 3 conference room; league commissioner Grant Thompson, Ext. 2495.

Plant 6 Lunchtime League — Thursday, April 12th, 12 noon, A-6A briefing room; league commissioner Ernie Maggi, Ext. 6772.

Plant 7 Lunchtime League — Thursday, April 12th, 9:45 am, Plant 7 cafeteria; league commissioner Pete Guido, Ext. 7087.

Plant 43 and 44 Lunchtime League — Wednesday, April 11th, 11:30 am, conference room; league commissioner Robert Albert, Ext. 3395.

Bethpage Nite Owls League — Wednesday, April 4th, 9 pm, Plant 2 conference room, league commissioner Chas Hess, Ext. 2628 or Bill Wallace, Ext. 2842.

All After Hours Leagues — Tuesday, March 27th, 5:00 pm, Plant 28A office (Note: Friday Nite League openings are available.)

calendar

(Continued from page 4)

Grumman Scuba Divers Club: Wed., March 14, Fox Hunt, Hicksville, 7:30 p.m. Dive program, guests welcome. P. Craig, Ext. 5256.

Grumman Ski Club: Tues., March 13, McKeon's, Hicksville, 8:30 p.m. Guests welcome. Art Garmendia, Ext. 7819/8910.

Grumman Tennis Club: Wed., March 21, Recreation bldg., 5 p.m. Open to players of all levels. Howie Frauenberger, Ext. 9587.

IEEE, Long Island Section: Thurs., March 22, Polytechnic Institute of N.Y., Farmingdale, 8:30 p.m. Subject, "Distributed Processing and Local Networking." Guest speaker will be Dr. Ming T. Liu. Guests welcome. R. Hong, Ext. 3634.

National Contract Management Association: Tues., March 20, Musicaro's, Melville, 4-6 p.m. workshop, 7 p.m. dinner and speaker. Guest speaker will be Joel Feidelman of Freid, Frank, Harris, Shriver & Kampelman. Subject, "White Collar Crime and the Government Contractor." W.E. Stanton, Ext. 3167.

N.Y.S.S.P.E. Suffolk County Chapter: Thurs., March 15, Watermill Inn, Smithtown, 6:30 p.m. Annual Awards dinner. Guests welcome. W. Lipman, Ext. 2595.

Society of Logistics Engineers: Tues., March 27, Antun's, Hicksville, 5:30 p.m. Dinner meeting, topic "Recent Initiatives in A/F Acquisition Logistics." Guest speaker will be Brigadier General K.R. Johnson, Deputy Chief of Staff, Acquisition Logistics, Headquarters A/F Sys. Command. Guests welcome. Stan Lane, Ext. 7527.

Society of Manufacturing Engineers: Fri., March 23, Woodbury Country Club, Woodbury, 8 p.m. Annual installation of officers. Guests welcome. V. Pavlik, Ext. 5253.

GRUMMAN plane news

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